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CENTRAL FAX CENTER****ROBERT W. STROZIER, P.L.L.C.****FEB 16 2005**A FIRM SPECIALIZING IN INTELLECTUAL PROPERTY LAW INCLUDING  
PATENT, TRADEMARK, COPYRIGHT, TRADE SECRET LAW,  
UNFAIR COMPETITION AND RELATED MATTERSP.O. Box 429  
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TO: Examiner Riley : 10/007,621

OF: USP 70

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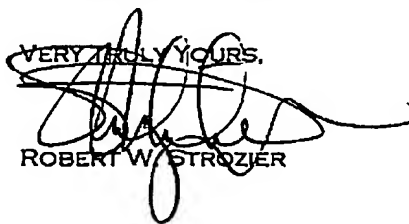
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PAGES: 29, INCLUDING THIS COVER SHEET.

DATE: 2/16/05

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VERY TRULY YOURS,  
  
ROBERT W. STROZIER

From the desk of...

Sandy

**RECEIVED  
CENTRAL FAX CENTER****FEB 16 2005****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT: HARDIN ET AL.

SERIAL NO: 10/007621

FILED: 12/03/01

FOR: ENZYMATIC NUCLEIC ACID SYNTHESIS:  
COMPOSITIONS AND METHODS FOR ALTERING  
MONOMER INCORPORATION FIDELITY§ EXAMINER: RILEY, J.  
§ GROUP ART UNIT: 1637  
§ DOCKET: 00007/02UTL  
§  
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§

703-872-9306 FAX Number	<b>CERTIFICATION FACSIMILE TRANSMISSION</b>	<b>February 16, 2005</b> Date of Transmission
I hereby certify that this document is being transmitted via facsimile to:		
EXAMINER RILEY		
703-872-9306		
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Robert W. Strozier		<b>February 16, 2005</b> Date of Signature

**SUPPLEMENTAL RESPONSE TO 17 SEPTEMBER 2004  
ELECTION/RESTRICTION REQUIREMENT**

Dear Examiner Riley:

***Groups I and II***

Applicants believe that the Examiner has not reconsidered the Restriction of Group I and II inventions as being capable of collective consideration in this application. If Applicants are mistaken, Applicants request the Examiner to so inform Applicants.

***Species Elections*****Withdrawn Claims**

Claims 1-6 and 14-20 as being drawn to non-elected inventions.

**Elected Claims in Dependency Structure**

Independent claim 7

Dependent claim 8

Dependent claim 9

Dependent claim 10

Dependent claim 11

Dependent claim 12

Dependent claim 23

Dependent claim 24

Dependent claim 25

Dependent claim 26

Dependent claim 21

Dependent claim 22

Dependent claim 36

Independent claim 13

Dependent claim 27

Dependent claim 33

Dependent claim 28

Dependent claim 32

Dependent claim 34

Dependent claim 29

Dependent claim 30

Dependent claim 31

Dependent claim 35

Dependent claim 37

Independent claim 15

Dependent claim 38

Dependent claim 39

Dependent claim 43

Dependent claim 44

Dependent claim 45

Dependent claim 40

Dependent claim 41

Dependent claim 42

Dependent claim 46

Dependent claim 47

**Species and Subspecies Election and Claim Identification****Claim 7 and its Dependents**

1. For claims 7, 8, 9, 10, 11, 12, 21, 22, and 23, Applicants elect the species 5-(2'-aminoethyl) aminonaphthalene-1-sulfonic acid (EDANS).
2. For claims 7, 8, 9, 10, 11, 12, 21, 22, and 24, Applicants elect the species **alkaryl and aralkyl groups** having between about 7 and about 40 carbon atoms, where the carbon atoms are replaced by one or more hetero atoms in the structure provided the structure represents a stable molecular system, where the hetero atoms selected from the group consisting of P, S, Si, N, and O.
3. For claims 7, 8, 9, 10, 11, 12, 21, 22, and 25, Applicants elect the species 4-aminophenol.
4. For claims 7, 8, 9, 10, 11, 12, 21, 22, and 26, Applicants elect the species Adenosine-5'-( $\gamma$ -ANS) triphosphate.
5. For claims 7, 8, 9, 12, 21, 22, and 36, Applicants elect the species **polymerases**.

**Species and Subspecies Election and Claim Identification****Claim 13 and Its Dependents**

6. For claims 13, 28, 29, 30, and 32, Applicants elect the species 5-(2'-aminoethyl) aminonaphthalene-1-sulfonic acid (EDANS).
7. For claims 13, 27, 29, 30, and 33, Applicants elect the species **alkaryl and aralkyl groups** having between about 7 and about 40 carbon atoms, where the carbon atoms are replaced by one or more hetero atoms in the structure provided the structure represents a stable molecular system, where the hetero atoms selected from the group consisting of P, S, Si, N, and O.
8. For claims 13, 28, 29, 30, and 34, Applicants elect the species 4-aminophenol.
9. For claims 13, 29, 30, 31, and 35, Applicants elect the species Adenosine-5'-( $\gamma$ -ANS) triphosphate.
10. For claims 13 and 37, Applicants elect the species **polymerases**.

**Species and Subspecies Election and Claim Identification**

**Claim 15 and Its Dependents**

11. For claims 15, 38, 39, 40, 41, and 43, Applicants elect the species 5-(2'-aminoethyl) aminonaphthalene-1-sulfonic acid (EDANS).
12. For claims 15, 38, 39, 40, 41, and 44, Applicants elect the species alkaryl and aralkyl groups having between about 7 and about 40 carbon atoms, where the carbon atoms are replaced by one or more hetero atoms in the structure provided the structure represents a stable molecular system, where the hetero atoms selected from the group consisting of P, S, Si, N, and O.
13. For claims 15, 38, 39, 40, 41, and 45, Applicants elect the species 4-aminophenol.
14. For claims 15, 38, 40, 41, 42, and 46, Applicants elect the species Adenosine-5'-( $\gamma$ -ANS) triphosphate.
15. For claims 15, 38, 40, 41, and 47, Applicants elect the species polymerases.